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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/501,895	02/16/2005	Jyrki Valikangas	915-001.035	8563

4955 7590 10/06/2006

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EXAMINER

JANKUS, ALMIS R

ART UNIT PAPER NUMBER

2628

DATE MAILED: 10/06/2006

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

10/501,895

Applicant(s)

VALIKANGAS, JYRKI

Examiner

Almis R. Jankus

Art Unit

2628

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 16 February 2005.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-28 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-28 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 16 February 2005 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All b) ☐ Some * c) ☐ None of:
- ☐ Certified copies of the priority documents have been received.
 - ☐ Certified copies of the priority documents have been received in Application No. _____.
 - ☒ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|---|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 5) <input type="checkbox"/> Notice of Informal Patent Application |
| 3) <input checked="" type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08)
Paper No(s)/Mail Date <u>7/19/04, 1/31/05</u> | 6) <input type="checkbox"/> Other: _____ |

DETAILED ACTION

1. Claims 1-28 are presented for examination.

2. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

3. Claims 1-28 are rejected under 35 U.S.C. 102(b) as being anticipated by Heikkinen et al.

With respect to claim 1, Heikkinen et al. teach the claimed displaying a plurality of keys within an input portion of the touch sensitive display, detecting a first location of a tactile input on an input portion of the touch sensitive display displaying a plurality of keys, zooming the input portion display view by displaying and linearly magnifying a certain area within which the tactile input was detected, detecting a second location of a tactile input after magnifying said certain area, highlighting a key on the location of the second detected tactile input and activating a selected, highlighted key and identifying the key as an input, at the abstract; while highlighting a key is taught at column 7 lines 50-60 with the teaching of a change in attribute, for example a symbol changing its

background to inform the user of the selection of that symbol; linearly magnifying a certain area within which the tactile input was detected is taught at column 5 line 48 to column 6 line 17. The preamble is given no patentable weight because the body of the claim does not require, nor even mention a display divided in adjustable input and output portions.

Claim 2 further requires the divided input and output portions in the touch sensitive display are adjusted application specific. Heikkinen et al. teach this at column 8 lines 1-67, column 10 lines 8-38, and at figures 5A-5F.

Claim 3 further requires the divided input and output portions in the touch sensitive display are user adjustable. Heikkinen et al. teach this at column 8 lines 1-67, column 10 lines 8-38, and at figures 5A-5F.

Claim 4 further requires the step of detecting a first location of an input includes a step of discriminating whether the type of intended input was controlling a function or a mode of the device or selecting a key displayed within an input portion of the display.

Heikkinen et al. teach this at column 4 lines 3-18.

Claim 5 further requires the zooming step magnifies the touched input area and its surroundings in the display by a predetermined rate. Heikkinen et al. teach this at figure 3 and at column 5 line 48 to column 6 line 17.

Claim 6 further requires the magnification rate is specified by an application. Heikkinen et al. teach this at column 6 lines 10-17 and at column 8 lines 58-61.

Claim 7 further requires the magnification rate is determined by a user. Heikkinen et al. teach this at column 10 lines 13-14.

Claim 8 further requires in the zooming step the area and the surroundings of a tactile input are magnified and the rest of the input view is hid. Heikkinen et al. teach this at figure 3.

Claim 9 further requires as a response to a persisting tactile input within an input area of the display the zooming step is performed a plurality of times. Heikkinen et al. teach this at column 10 lines 15-24.

Claim 10 further requires in the zooming step the magnification is implemented in sequential steps. Heikkinen et al. teach this at column 10 lines 15-24.

Claim 11 further requires in the zooming step the magnification is implemented stepless as a response to a persisting tactile input. Heikkinen et al. teach this at column 12 lines 9-11.

Claim 12 further requires the activating step is performed as a response to the tactile input being released. Heikkinen et al. teach this at column 12 lines 14-15.

Claim 13 further requires at least one of the first and second location detection steps of and the activating step is performed as a response to the tactile input having been fixed for a predetermined period of time. Heikkinen et al. teach this at column 12 lines 11-13.

Claim 14 further requires after the activating step is performed, the display view is displayed in a zoomed mode or returned back to an original mode depending on application specific determinations. Heikkinen et al. teach this at column 7 lines 50-60.

Claim 15 further requires after the activating step is performed, the display view is displayed in a zoomed mode or returned back to an original mode depending on user specific determinations. Heikkinen et al. teach this at column 7 lines 50-60.

Claims 16, 17, 18, 22, 23, 24, 25, 26 and 27 are similar to claims 1, 2, 3, 8, 6, 7, 10, 11 and 4 respectively, and are rejected under rationale previously provided for similar respective claimed features.

Claim 19 further requires a processor coupled to the touch sensitive display for detecting a tactile input. Heikkinen et al. teach this at figures 1a and 1b item 18 as the

controller.

Claim 20 further requires means for discriminating a type of a tactile input. Heikkinen et al. teach this at column 2 line 38 to column 3 line 6, and at column 4 lines 3-52.

Claim 21 further requires a processor for comparing the differences in times and locations of the detected tactile inputs for discriminating the type of a tactile input. Heikkinen et al. teach this at column 2 line 38 to column 3 line 6, and at column 4 lines 3-52.


Claim 28 further requires means for scrolling the viewed input portion of a display for changing the viewed area of an input portion of a touch sensitive display. Heikkinen et al. teach this at column 4 lines 3-18.

4. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Almis R. Jankus whose telephone number is 571-272-7643. The examiner can normally be reached on M-F, 6:30-3:00.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Michael Razavi can be reached on 571-272-7664. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

AJ



ALMIS R. JANKUS
PRIMARY EXAMINER